15501

Diploma in Pharmacy (Part-II)
May / June - 2003
Pharmacology & Toxicology

Time : Hours [Total Marks : 80]

Instructions: (1) Attempt both sections **separately**.
(2) Attempt any **three** questions from each section.

SECTION - I

1 Write synthesis, metabolism and release of NA at different sites in adrenergic neurone. 13

2 (a) Give an account of autocoids. Write pharmacological actions and receptors of 5-HT. 8
(b) Write a note on oral rate of administration. 5

3 (a) Define pharmaeokinetics. Write factors affecting absorption of drugs. 8
(b) Write a note on drug antagonism. 5

4 (a) Explain feed-mechanism involved in the regulation of hormonal secretion in pituitary gland. 8
(b) Classify general anaesthetics. Give their mechanism of action in general. 5

5 Answer the following : (any **four**) 14
(a) Therapeutic uses of morphine
(b) Classification of anti-psychotics
(c) M/A of xanthine alkaloids
(d) Pharmacological actions of benzodiazepines
(e) Functions of Vit. B₁₂.
(f) Oral contraceptives.

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SECTION - II

6  (a) Classify drugs used in angina pectoris. Give M/A, and adverse effects of nitrites.
(b) Enlist calcium channel blockers used in treatment of hypotension. Give M/A, adverse effects of them.

7  (a) Enlist Quinolones. Write mechanism, therapeutic uses and adverse effects of them.
(b) Give therapeutic uses and adverse effects of chloramphenicol.

8  (a) Enumerate macrolide group of antibiotics. Write M/A, therapeutic uses, source of erythromycin.
(b) Write a note on anticoagulants.

9  Give a detailed account of antimetabolites used in cancer therapy.

10 Answer the followings : (any two)
    (a) Quinine
    (b) Rifamycins
    (c) Common adverse effects of antibiotics
    (d) Classify cathartics
    (e) Gastric antacids
    (f) Carbonic anhydrase inhibitors.